

FIGURE 1A

SEARCHED	INDEXED
SERIALIZED	FILED
CLASS SUBCLASS	
DRAFTSMAN	

2 2 5

241 CG T P N Y L S P E V L N K Q G H G C E S D I W A L G C V M Y T M L L G R P P F DAPK-1
 182 CG T P N Y V A P E V L L R Q G H G P E A D V W S L G C V M Y T L L C G S P P F g1488263

281 E T T N L K E T Y R C I R E A R Y T M P S S L L A P A K H L I A S M L S K N P E DAPK-1
 222 E T A D L K E T Y R C I K Q V H Y T L P A S L P A R Q L L A A T L R A S P R g1488263

321 D R P S L D D I I R H D F F F L Q G F T P D R L S S S C C H T V P D F H L S S S P A DAPK-1
 262 D R P S I D Q I L R H D F F T K G Y T P D R L P T S C V T V P D L T P P N P A g1488263

361 K N F F K K A A A L F G G K K D K A R Y I D T H N R V S K E D E D I Y K L R H DAPK-1
 302 R S L F A K V T K S L F G R K K S K N H - - - - - A Q E R D E V S G L V S g1488263

401 D L K K T S I T Q Q P S K H R T D E E L Q P P T T V A R S G T P A V E N K Q O DAPK-1
 335 G L M R T S V G H Q D A R P E A P A S G P A P V S L - - - - - V E T A P E g1488263

441 I G D A I R M I V R G T L G S C S S S E C L E D S T M G S V A D T V A R V L R DAPK-1
 368 D S S P - - - - R G T L A S S G D G F E - - E G L T V A T V V E S A L C A L R g1488263

FIGURE 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

481 G C L E N M P E A D C I P K E - Q L S T S F O W V T K W V D Y S N K Y G F G Y Q DAFK-1
 401 N C I A F M P P A E Q N P A P L A Q P E P L V W V S K W V D Y S N K F G F G Y Q g1488263

520	L	S	D	H	T	V	G	V	L	F	N	N	G	A	H	M	S	L	P	D	K	T	A	H	Y	Y	A	E	L	G	O	C	S	V	F	P	A	T				
441	L	S	S	R	R	V	A	V	L	F	N	D	G	T	H	M	A	L	S	A	N	R	K	T	V	H	Y	N	D	P	T	S	T	K	H	F	S	E	S	V	G	g1488263

560 D A P E Q F I S Q V T V L K Y F S H Y M E E N L M D G G D L P S V T D I R R P - DAPK-1
 481 A V P R A L Q P Q L G I I R Y F A S Y M E Q H L M K G G D L P S V E E V E V P A g1488263

599	R	L	Y	L	L	Q	W	L	K	S	D	K	A	M	M	L	F	N	D	G	T	F	Q	V	N	F	Y	H	D	T	K	I	I	C	S	O	N	
521	P	P	L	L	L	Q	W	V	K	T	D	Q	A	L	M	L	F	S	D	G	T	V	Q	V	N	F	Y	G	D	H	T	K	L	L	S	G	-	W

639	E E Y L L T Y I N E D R I S T T F R L T T L L M S G C S S E L K N R M E Y A L N	DAPK-1
560	E P L L V T F V A R N R S A C T Y L A S H L R Q L G C S P D L R Q R L R Y A L R	q1488263

679 M L L O R C - N
600 L L R D R S P A

FIGURE 1C

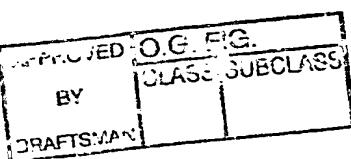
APPROVED	O. S. FG.
BY	CLASS SUBCLASS
DRAFTSMAN	

1	M P P K R - - - - -	NE K Y K L P I P F P E G K V L D D M E G N Q W V L G	DAPK-2
1	M P R V K A A Q A G R Q S S A K R H L A E Q F A V G E I I T D M A K K E W K V G	g1827450	
33	K K I G S G G F G L I Y L A -	F P T N K P E K D A R H V V K V E Y Q E N G P L	DAPK-2
41	L P I G Q G G F G C I Y L A D M N S S E S V G S D A P C V V K V E P S D N G P L	g1827450	
71	F S E L K F Y Q R V A K K D C I K K W I E R K Q L D Y L G I P L F Y G S G L T E	DAPK-2	
81	F T E L K F Y Q R A A K P E Q I Q K W I R T R K L K Y L G V P K Y W G S G L H D	g1827450	
111	F K G R S Y R F M V M E R L G I D L Q K I S G Q N G T	- F K K S T V L Q L G I R	DAPK-2
121	K N G K S Y R F M I M D R F G S D L Q K I Y E A N A K R E S R K T V L Q L S L R	g1827450	
150	M L D V L E Y I H E N E Y V H G D V K A A N L L G Y K N P D Q V Y L A D Y G L	DAPK-2	
161	I L D I L E Y I H E H E Y V H G D I K A S N L L N Y K N P D Q V Y L V D Y G L	g1827450	
190	S Y R Y C P N G N H K Q Y Q E N P R K G H N G T I E F T S L D A H K G V G E I A	DAPK-2	
201	A Y R Y C P E G V H K E Y K E D P K R C H D G T I E F T S I D A H N G V A P -	g1827450	

FIGURE 2A

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FIGURE 2B



1	MLARRKPVLPALTINPTIAEGPSPTSEGASEANLVDLQKK	DAPK-3
1	MLARRKPVLPALTINPTIAEGPSPTSEGASEAHLDLQKK	g303804
41	LEELLEDQKQHRLAFLTQKAVGELKDDDFERISELGA	DAPK-3
41	LEELDLDQORHRLAFLTQKAVGELKDDDFERISELGA	g303804
81	GNGGVVTKVQHRSGLIMARKLIGHLEIKPAIRNQIIRELQ	DAPK-3
81	GNGGVVTKAHRPSSGLIMARKLIGHLEIKPAVRNQIIRELQ	g303804
121	VLHECNSPYIVGFYGAFYSDGEISICMEHMDGGSLDHLLK	DAPK-3
121	VLHECNSPYIVGFYGAFYSDGEISICMEHMDGGSLDQVLLK	g303804
161	EAKRIPPEEILGKVSIAVLRLAYLREKHQIMHRDVKPSNI	DAPK-3
161	EAKRIPPEDILGKVSIAVLRLAYLREKHQIMHRDVKPSNI	g303804

FIGURE 3A

APPROVED	J.G. FG.
By	CLASS/SEC/CLASS
DRAFTSMAN	

7/2 15

201 LVNSRGEEKLCDFGVSGQLIDSMANSGQLIDSMANSGQLIDSMANSPERLQ DAPK-3
 201 LVNSRGEEKLCDFGVSGQLIDSMANSPERLQ g303804

241 GTHYSVQSDIWSMGLSLVELAVGRYPIPPDAKELAIFG DAPK-3
 241 GTHYSVQSDIWSMGLSLVELATIGRYPIDPPDAKELASFG g303804

281 RPVVVGEEPHSISPRPRPPGRPVSGHGMDSRPAMAIFFE DAPK-3
 281 RPVVVGADGEPHSVSPRPRPPGRPTISGHGMDSSRPAMAIFFE g303804

321 LLDYIVNEPPPKLPGVFTPDFFQEVFNKCCLIKNPAERADL DAPK-3
 321 LLDYIVNEPPPKLPGVFSISDFQEVFNKCCLIKNPAERADL g303804

361 KMLTNHTEFIKRSVEEVDFAGWLCKTLLRNQPGTPTRTA V DAPK-3
 361 KLLTNHAFIFIKRSFEGEDVDFAGWLCKTLLRQPSSTPTRTA V g303804

FIGURE 3B

REVIEWED 3-3-10	CLASS	100
BY		
DRAFTSMAN		

A 2 15

1 M A M T A G T T T F P M S N H T R E R V T V A K L T L E N F Y S N L I L Q H E D A F K - 4
 1 M A M T - G S T P C S S M S N H T K E R V T M T K V T L E N F Y S N L I A Q H E g 8 5 4 1 7 0

41 E R E T R Q K K L E V A M E E E G L A D E E K K L R R S Q H A R K E T E F L R L D A F K - 4
 40 E R E M R Q K K L E K V M E E E G L K D E E K R L R R S A H A R K E T E F L R L g 8 5 4 1 7 0

81 K R T R L G L D D F E S L K V I G R G A F G E V R L V H K K D T G H I V A M K I D A F K - 4
 80 K R T R L G L E D F E S L K V I G R G A F G E V R L V Q K K D T G H V Y A M K I g 8 5 4 1 7 0

121 L R K S D M L E K E Q V A H I R A E R D I L V E A D G A W V V K M F Y S F Q D K D A F K - 4
 120 L R K A D M L E K E Q V G H I R A E R D I L V E A D S L W V V K M F Y S F Q D K g 8 5 4 1 7 0

161 R N L Y L I M E F L P G G D M M T L L M K K D T L T E E E T Q F Y I S E T V L A D A F K - 4
 160 L N L Y L I M E F L P G G D M M T L L M K K D T L T E E E T Q F Y I A E T V L A g 8 5 4 1 7 0

201 I D A I H Q L G F I H R D I K P D N L L L D A K G H V K L S D F G S C T G L K K D A F K - 4
 200 I D S I H Q L G F I H R D I K P D N L L L D S K G H V K L S D F G L C T G L K K g 8 5 4 1 7 0

FIGURE 4A

BY	J.G. FIG.
DRAFTS	CLASS SUBCLASS

241 A H R T E F Y R N L T H N P P S D F S F Q N M N S K R K A E T W K K N R R Q L A DAPK-4
 240 A H R T E F Y R N L N H S L P S D F T F Q N M N S K R K A E T W K R N R R Q L A g854170

281 Y S T V G T P D Y I A P E V F M Q T G Y N K L C D W W S L G V I M Y E M L I G Y DAPK-4
 280 F S T V G T P D Y I A P E V F M Q T G Y N K L C D W W S L G V I M Y E M L I G Y g854170

321 P P F C S E T P Q E T Y R K V M N W K E T L V F P P E V P I S E K A K D L I L R DAPK-4
 320 P P F C S E T P Q E T Y K V M N W K E T L T F P P E V P I S E K A K D L I L R g854170

361 F C I D S E N R I G N S G V E E I K G H P F F E G V D W E H I R E R P A A I P I DAPK-4
 360 F C C E W E H R I G A P G V E E I K S N S S F F E G V D W E H I R E R P A A I S I g854170

401 E I K S I D D T S N F D D F P E S D I L Q P V P N T T - - E P D Y K S K D W V DAPK-4
 400 E I K S I D D T S N F D E F P E S D I L K P T V A T S N H P E T D Y K N K D W V g854170

438 F L N Y T Y K R F E G L T O R G S I P T Y M K A G K L
 440 F I N Y T Y K R F E G L T A R G A I P S Y M K A A K

FIGURE 4B

STRUCTURED	FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

1 M L L K - - - - K H T E D I S S V Y E I R E R L G S G A F S E V V L A Q E R DAPK-5
1 M L G A V E G P R W K Q A E D I R D I Y D F R D L G T G A F S E V T L A E D K g790790

36 G S A H L V A L K C I P K K A L R G K E A L V E N E I A V L R R I S H P N I V A DAPK-5
41 R T Q K L V A I K C I A K E A L E G K E G S M E N E I A V L H K I K H P N I V A g790790

76 L E D V H E S P S H L Y L A M E L V T G G E L F D R I M E R G S Y T E K D A S H DAPK-5
81 L D D I Y E S G G H L Y L I M Q L V S G G E L F D R I V E K G F Y T E R D A S R g790790

116 L V G Q V L G A V S Y L H S L G I V H R D L K P E N L Y A T P F E D S K I M V DAPK-5
121 L I F Q V L D A V K Y L H D L G I V H R D L K P E N L Y A T P F E D S K I M I g790790

156 S D F G L S K I Q - A G N M L G T A C G T P G Y V A P E L L E Q K P Y G K A V D DAPK-5
161 S D F G L S K M E D P G S V L S T A C G T P G Y V A P E V L A Q K P Y S K A V D g790790

195 V W A L G V I S Y I L C G Y P P F Y D E S D P E L F S Q I L R A S Y E F D X P DAPK-5
201 C W S T I G V I Y I L C G Y P P F Y D E N D A K L F E Q I L K A E Y F D S P g790790

FIGURE 5A



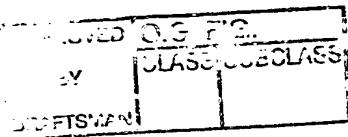
235 F W D D I S E S G K D F I R H L L E R D L Q K R F T C Q Q A L R D L W I F W D T DAFK-5
 241 Y W D D I S D S A K D F I R H L M E K D P E K R F T C E Q A L Q H P W I A G D T g790790

275 G F G R D I L G F V S E Q I R K N F A W T H W K R A F N A T L F L R H I R K L - DAFK-5
 281 A L D K N I H Q S V S E Q I K K N F A K S K W K Q A F N A T A V V R H M R K L Q g790790

314 - G Q I P E G E G - - A S E Q G M X R H S H X G - - - - - - - - - - - - - - - DAFK-5
 321 L G T S Q E G Q G Q T A S H G E L L T P V A G G P A A G C C C R D C C V E P G T g790790

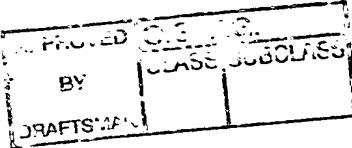
335 - L R A G Q P P K W DAFK-5
 361 E L S P T L P H Q L g790790

FIGURE 5B



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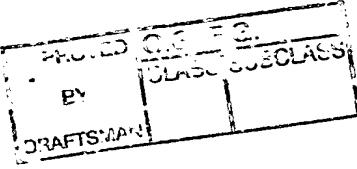
FIGURE 6A



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241	L C E H K Y G N A P R V R I N G H V A A R F P F I P M P L D Y I L P E L L K N A	DAPK-6
211	L C E H K Y G N A P R V R I N G H V A A R F P F I P M P L D Y I L P E L L K N A	g924921
281	M R A T M E S H L D T P Y N V P D V V I T I A N N D V D L I I R I S D R G G G I	DAPK-6
251	M R A T M E S H L D T P Y N V P D V V I T I A N N D V D L I I R I S D R G G G I	g924921
321	A H K D L D R V M D Y H F T T A E A S T Q D P R I S P L F G H L D M H S G A Q S	DAPK-6
291	A H K D L D R V M D Y H F T T A E A S T Q D P R I S P L F G H L D M H S G G Q S	g924921
361	G P M H G F G F G L P T S R A Y A E Y L G G S L Q L Q S L Q G I G T D V Y L R L	DAPK-6
331	G P M H G F G F G L P T S R A Y A E Y L G G S L Q L Q S L Q G I G T D V Y L R L	g924921
401	R H I D G R E E S F R I	DAPK-6
371	R H I D G R E E S F R I	g924921

FIGURE 6B



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1 M L E K L E F F E D E A V E D S E - - - - -
1 M E T V I S S D S S P A V E N E H P Q E T P E S N N S V Y T S F M K S H R C Y D DAPK-7
g1335856

32 I V P T S S K L V V F D T T L Q V K K A F F A L V A N G V R A A P L W E S K K Q DAPK-7
41 L T P T S S K L V V F D T S L Q V K K A F F A L V T N G V R A A P L W D S K K Q g1335856

72 S F V G M L T I T D F I N I L H R Y Y K S P M V Q I Y E L E E H K I E T W R E L DAPK-7
81 S F V G M L T I T D F I N I L H R Y Y K S A L V Q I Y E L E E H K I E T W R E V g1335856

112 Y L Q E T F K P L V N I S P D A S I F D A V Y S L I K N K I H R L P V I D P I S DAPK-7
121 Y L Q D S F K P L V C I S P N A S I F D A V S S L I R N K I H R L P V I D P E S g1335856

152 G N A L Y I L T H K R I L K F L Q I F M S D M P K P A F M K O N L D E L G I G T DAPK-7
161 G N T L Y I L T H K R I L K F L K L E I T E F P K P E F M S K S L E E L Q I G T g1335856

FIGURE 7A

APPROVED	C.G. F.C.
BY	CLASS-SUBCLASS
DRAFTSMAN	

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192 Y H N I A F I H P D T P I I K A L N I F V E R R I S A L P V V D E S G K V V D I DAPK-7
201 Y A N I A M V R T T P V Y V A L G I F V Q H R V S A L P V V D E K G R V V D I g1335856

232 Y S K F D V I N L A A E K T Y N N L D I T V T Q A L Q H R S Q Y F E G V V K C N DAPK-7
241 Y S K F D V I N L A A E K T Y N N L D V S V T K A L Q H R S H Y F E G V I K C Y g1335856

272 K L E I L E T I V D R I V R A E V H R L V V V N E A D S I V G I I S L S D I L Q DAPK-7
281 L H E T L E T I I N R L V E A E V H R L V V D E N D V V K G I V S L S D I L O g1335856

312 A L I I T P A G A K O K E T E T E E
321 A L V L T G G E K K P

FIGURE 7B